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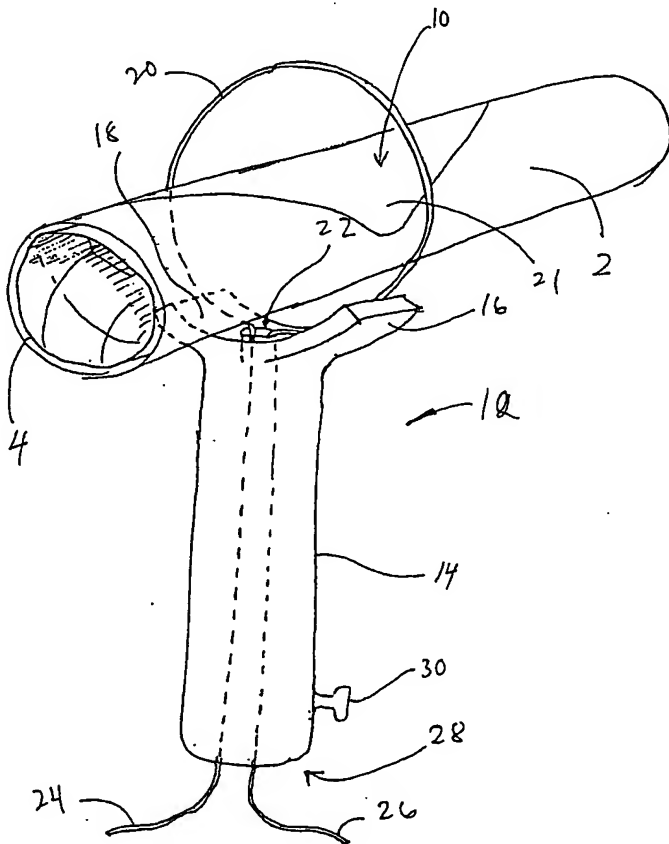
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(54) Title: **STENT ASSEMBLY AND DEVICE FOR APPLICATION THEREOF**



(57) **Abstract.** A stent assembly (2) is disclosed which comprises a stent capable of assuming a contracted and an expanded configuration. A membrane of a biocompatible material impermeable to molecular transport across the membrane is wrapped around said stent more than one full turn. There is also disclosed a device for performing anastomosis, comprising a stent assembly (2) in a contracted state and a holding and gripping device (12). The handle comprises a handle portion (14) and a support structure (16, 18) for accommodating said stent assembly. There is a locking loop (20) that can be tightened around the stent assembly when it is positioned on said support structure, and released to allow said stent assembly to expand to a nominal size.